AMENDMENTS TO CLAIMS:

The listing of claims will replace all prior versions, and listings of claims in the application:

LISTING OF CLAIMS:

1. (Currently Amended) A display controller for reducing power consumption of an electro-optical image display, comprising:

a source of a set of image data words corresponding to individual pixels of an image;

an output port for making available to the electro-optical image display a modified set of image data words corresponding to individual pixels of the electro-optical image display; and

a mode control circuit to substitute for a selected subset of the set of image data words, the image data words from one or more contiguous pixels, and to provide the resulting modified set of image data words to the output port to be made available to the electro-optical image display; ~~and~~

wherein substituting includes:

a replacing operation on a first image data word and one or more of the image data words that follow the first image data word with the same value as the first image data word, and

periodic repeating of the replacing operation with a new first image data word that follows the one or more image data words to form a modified set of image data words that are contiguous; and

wherein the image data words of the modified set of image data words are made available to the electro-optical display serially, and the contiguous pixels whose image data words are substituted precede the image data words for which they are substituted.

2. (Original) The controller of claim 1, wherein the electro-optical image display is a two-dimensional image display.

3. (Original) The controller of claim 1, wherein the electro-optical image display is a liquid crystal display.

4. (Original) The controller of claim 3, wherein the electro-optical image display is a two-dimensional display.

5. (Original) The controller of claim 4, wherein the selected subset of image data words comprises a subset of the image data words having a selected spatial periodicity.

6. (Original) The controller of claim 5, wherein the number of contiguous pixels whose image data words are substituted may be selectively determined.

7. (Cancelled)

8. (Previously Presented) The controller of claim 1, wherein the number of contiguous pixels whose image data words are substituted may be selectively determined.

9. (Original) The controller of claim 1, wherein the selected subset of image data words comprises a subset of the image data words having a selected spatial periodicity.

10. (Original) The controller of claim 9, wherein the number of contiguous pixels whose image data words are substituted may be selectively determined.

11-14. (Cancelled)

15. (Original) The display controller of claim 1, wherein the source of image data words comprises a memory and a memory controller, and the mode control circuit comprises a display interface circuit.

16. (Original) The display controller of claim 15, further comprising an input port for receiving image information from a data processor for storing an image in the memory.

17. (Original) The display controller of claim 16, wherein the input port comprises a host interface circuit for receiving data and providing that data to the image data memory controller for storage in the memory.

18. (Currently Amended) A digital display system comprising:

a data processor;

an electro-optic display; and

a display controller, the display controller including:

a source of a set of image data words corresponding to individual pixels of an image, wherein the data processor provides image information to the source,

an output port for making available to the electro-optical image display a modified set of image data words corresponding to individual pixels of the electro-optical image display, wherein the electro-optical image display receives the image data words from the output port and displays the same, ~~and~~

a mode control circuit to substitute for a selected subset of the set of image data words, the image data words from one or more contiguous pixels and to provide the resulting modified set of image data words to the output port to be made available to the electro-optical image display; ~~and~~

wherein substituting includes:

a replacing operation on a first image data word and one or more of the image data words that follow the first image data word with the same value as the first image data word, and

periodic repeating of the replacing operation with a new first image data word that follows the one or more image data words to form a modified set of image data words that are contiguous; and

wherein the image data words of the modified set of image data words are made available to the electro-optical display serially, and the contiguous pixels whose image data words are substituted precede the image data words for which they are substituted.

19. (Previously Presented) The digital display system of claim 18, further comprising a camera to provide image information to the source of a set of image data words corresponding to individual pixels of an image.

20. (Currently Amended) A method for reducing power consumption of an electro-optical image display, comprising:

providing a set of image data words corresponding to individual pixels of an image;

substituting for a selected subset of the set of image data words the image data words from one or more contiguous pixels; ~~and~~

wherein substituting includes:

a replacing operation on a first image data word and one or more of the image data words that follow the first image data word with the same value as the first image data word, and

periodic repeating of the replacing operation with a new first image data word that follows the one or more image data words to form a modified set of image data words that are contiguous; and

making available to the electro-optical image display the modified set of data words resulting from the substituting; and

wherein the image data words of the modified set of image data words are made available to the electro-optical display serially, and the contiguous pixels whose image data words are substituted precede the image data words for which they are substituted.

21. (Original) The method of claim 20, wherein the image is a two-dimensional image.

22. (Original) The method of claim 20, wherein the making available is done in a format suitable for a liquid crystal display.

23. (Original) The method of claim 22, wherein the image is a two-dimensional image.

24. (Original) The method of claim 23, wherein the selected subset of image data words comprises a subset of the image data words having a selected spatial periodicity.

25. (Original) The method of claim 24, wherein the number of contiguous pixels whose image data words are substituted is selectively determined.

26. (Cancelled)

27. (Previously Presented) The method of claim 20, wherein the number of contiguous pixels whose image data words are substituted is selectively determined.

28. (Previously presented) The digital display system of claim 19, wherein the source of image data words comprises a memory and a memory controller.